

In the Claims:

Please amend claims 1-9, 11-14 and 16-19. The status of the claims is as follows:

1. (Currently Amended) A ~~storage control apparatus~~ serial advanced technology attachment (SATA) interface control apparatus that receives a ~~packet~~ SATA frame including data required to execute a predetermined command and that executes the command based on the data in the ~~packet~~ SATA frame received, comprising:

an attribute registering unit to register information about an attribute of ~~packets~~ SATA frames that are receivable corresponding to a command;

an attribute acquiring unit that acquires information about an attribute of the ~~packet~~ SATA frame received; and

a reception error handling unit to determine, upon occurrence of a reception error that there is no information in the attribute registering unit corresponding to the information acquired by the attribute acquiring unit, whether the reception error requires a retry for requiring retransmission of the ~~packet~~ SATA frame, and to perform the retry when the reception error requires the retry.

2. (Currently Amended) The ~~storage control apparatus~~ SATA interface control apparatus according to claim 1, wherein

the information about the attribute of the ~~packet~~ SATA frame includes information about a type of the ~~packet~~ SATA frame, and

the reception error handling unit abandons the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the type of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the type of the ~~packet~~ SATA frame acquired by the attribute acquiring unit.

3. (Currently Amended) The ~~storage control apparatus~~ SATA interface control apparatus according to claim 1, wherein

the information about the attribute of the ~~packet~~ SATA frame includes information about a length of the ~~packet~~ SATA frame, and

the reception error handling unit abandons the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the length of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the length of the ~~packet~~ SATA frame acquired by the attribute acquiring unit.

4. (Currently Amended) The ~~storage control apparatus~~ SATA interface control apparatus according to claim 1, wherein

the information about the attribute of the ~~packet~~ SATA frame includes information about an order of receiving the ~~packet~~ SATA frame, and

the reception error handling unit abandons the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the order of receiving of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the order of receiving of the ~~packet~~ SATA frame acquired by the attribute acquiring unit.

5. (Currently Amended) The ~~storage control apparatus~~ SATA interface control apparatus according to claim 1,

wherein the reception error handling unit performs the retry as a firmware process executed by a microcomputer.

6. (Currently Amended) A storage apparatus that receives a ~~packet~~ serial advanced technology attachment (SATA) frame including data required to execute a predetermined command and that executes the command based on the data in the ~~packet~~ SATA frame received, comprising:

an attribute registering unit to register information about an attribute of ~~packets~~ SATA frames that are receivable corresponding to a command;

an attribute acquiring unit that acquires information about an attribute of the ~~packet~~ SATA frame received; and

a reception error handling unit to determine, upon occurrence of a reception error that there is no information in the attribute registering unit corresponding to the information acquired by the attribute acquiring unit, whether the reception error requires a retry for requiring retransmission of the ~~packet~~ SATA frame, and to perform the retry when the reception error requires the retry.

7. (Currently Amended) The storage apparatus according to claim 6, wherein

the information about the attribute of the ~~packet~~ SATA frame includes information about a type of the ~~packet~~ SATA frame, and

the reception error handling unit abandons the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the type of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the type of the ~~packet~~ SATA frame acquired by the attribute acquiring unit.

8. (Currently Amended) The storage apparatus according to claim 6, wherein

the information about the attribute of the ~~packet~~ SATA frame includes information about a length of the ~~packet~~ SATA frame, and

the reception error handling unit abandons the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the length of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the length of the ~~packet~~ SATA frame acquired by the attribute acquiring unit.

9. (Currently Amended) The storage apparatus according to claim 6, wherein

the information about the attribute of the ~~packet~~ SATA frame includes information about an order of receiving the ~~packet~~ SATA frame, and

the reception error handling unit abandons the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the order of receiving of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the order of receiving of the ~~packet~~ SATA frame acquired by the attribute acquiring unit.

10. (Previously Presented) The storage apparatus according to claim 6, wherein the reception error handling unit performs the retry as a firmware process executed by a microcomputer.

11. (Currently Amended) A method of receiving a ~~packet~~ serial advanced technology attachment (SATA) frame including data required to execute a predetermined command and executing the command based on the data in the ~~packet~~ SATA frame received, comprising:

registering information about an attribute of ~~packets~~ SATA frames that are receivable corresponding to a command in an attribute registering unit;

acquiring information about an attribute of the ~~packet~~ SATA frame received;  
and

determining, upon occurrence of a reception error that there is no information in the attribute registering unit corresponding to the information acquired whether the reception error requires a retry for requiring retransmission of the ~~packet~~ SATA frame; and  
performing the retry when the reception error requires the retry.

12. (Currently Amended) The method according to claim 11, wherein  
the information about the attribute of the ~~packet~~ SATA frame includes information about a type of the ~~packet~~ SATA frame, and

the executing includes abandoning the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the type of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the type of the ~~packet~~ SATA frame acquired at the acquiring.

13. (Currently Amended) The method according to claim 11, wherein the information about the attribute of the ~~packet~~ SATA frame includes information about a length of the ~~packet~~ SATA frame, and

the executing includes abandoning the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the length of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the length of the ~~packet~~ SATA frame acquired at the acquiring.

14. (Currently Amended) The method according to claim 11, wherein the information about the attribute of the ~~packet~~ SATA frame includes information about an order of receiving the ~~packet~~ SATA frame, and

the executing includes abandoning the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the order of receiving of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the order of receiving of the ~~packet~~ SATA frame acquired at the acquiring.

15. (Previously Presented) The method according to claim 11, wherein the executing includes executing the retry as a firmware process executed by a microcomputer.

16. (Currently Amended) A system for receiving a ~~packet~~ serial advanced technology attachment (SATA) frame including data required to execute a predetermined command and executing the command based on the data in the ~~packet~~ SATA frame received, the system comprising:

a processor; and

a memory storing computer-readable instructions, execution of the instructions by the processor configuring the system to include,

registering information about an attribute of ~~packets~~ SATA frames that are receivable corresponding to a command in an attribute registering unit;

acquiring information about an attribute of the ~~packet~~ SATA frame received; and

determining, upon occurrence of a reception error that there is no information in the attribute registering unit corresponding to the information acquired at the acquiring, whether the reception error requires a retry for requiring retransmission of the ~~packet~~ SATA frame; and

performing the retry when the reception error requires the retry.

17. (Currently Amended) The system according to claim 16, wherein the information about the attribute of the ~~packet~~ SATA frame includes information about a type of the ~~packet~~ SATA frame, and

the executing includes abandoning the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the type of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the type of the ~~packet~~ SATA frame acquired at the acquiring.

18. (Currently Amended) The system according to claim 16, wherein the information about the attribute of the ~~packet~~ SATA frame includes information about a length of the ~~packet~~ SATA frame, and

the executing includes abandoning the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the length of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the length of the ~~packet~~ SATA frame acquired at the acquiring.

19. (Currently Amended) The system according to claim 16, wherein the information about the attribute of the ~~packet~~ SATA frame includes information about an order of receiving the ~~packet~~ SATA frame, and

the executing includes abandoning the ~~packet~~ SATA frame received upon occurrence of a reception error that there is no information about the order of receiving of the ~~packet~~ SATA frame in the attribute registering unit corresponding to the information about the order of receiving of the ~~packet~~ SATA frame acquired at the acquiring.

20. (Previously Presented) The system according to claim 16, wherein the executing includes executing the retry as a firmware process executed by a microcomputer.